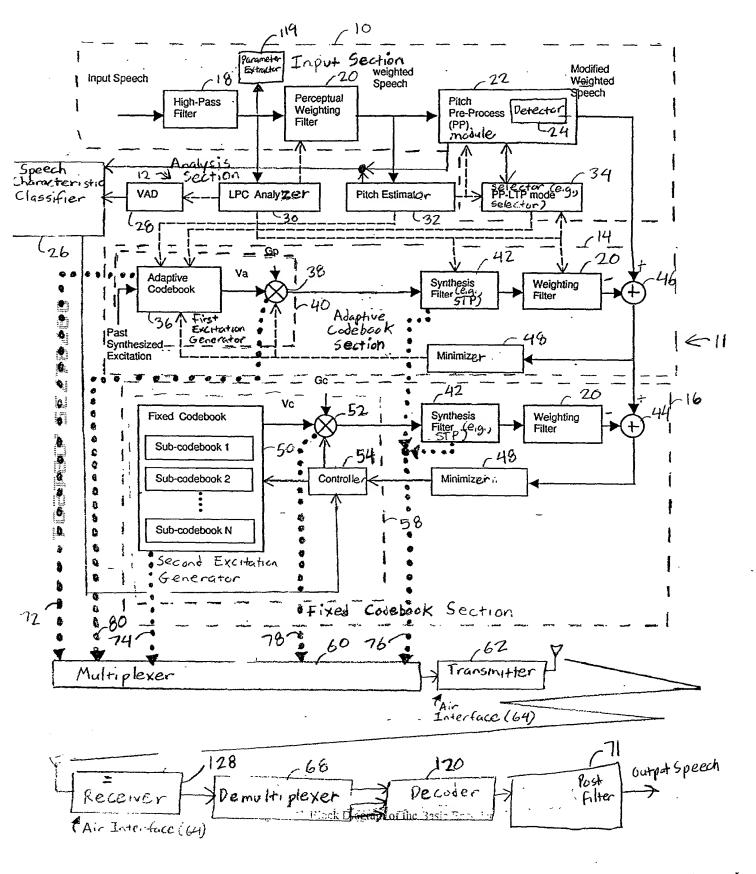
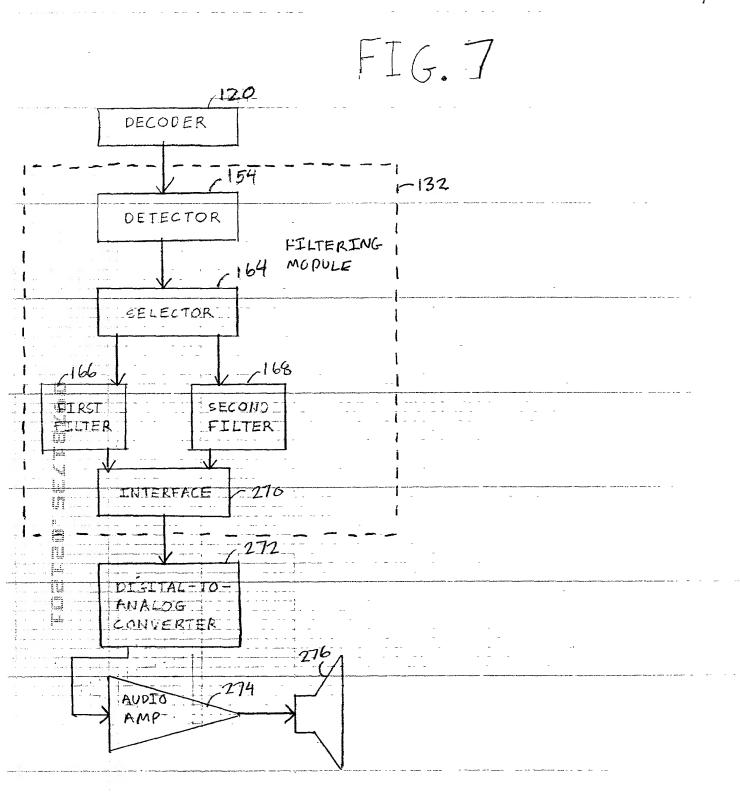


FIG. 5

. 510 ASSUME THE SPECTRAL RESPONSE OF A SPEECH SIGNAL IS SLOPED IN ACCORDANCE WITH A DEFINED CHARACTERISTIC SLOPE (E.G., AN MIRS SIGNAL RESPONSE). - 512 ACCUMULATE SAMPLES (E.G., FRAMES) OF THE SPEECH SIGNAL OVER AT LEAST A MINIMUM SAMPLING DURATION (E.G., 2-4 SECONDS). -514 AVERAGE THE ACCUMULATED SAMPLES ASSOCIATED WITH THE MINIMUM SAMPLING DURATION TO OBTAIN AN AVERAGED REPRESENTATIVE SAMPLE. 516 COMPARE THE AVERAGED REPRESENTATIVE SAMPLE TO REFERENCE DATA IN A REFERENCE DATABASE OF SPECTRAL CHARACTERISTICS, INCLUDING AT LEAST ONE OF THE DEFINED CHARACTERISTIC SLOPE AND A FLAT SPECTRAL RESPONSE. 518 DOES A SLOPE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL CONFORM TO THE DEFINED CHARACTERISTIC SLOPE AS DETERMINED BY THE COMPARISON? 17 NO YES 520 APPLY A FIRST FILTER TO LESSEN A SLOPE OF THE SPEECH SIGNAL TO APPROACH A FLATTER SPECTRAL RESPONSE IN PREPARATION FOR PROSPECTIVE SPEECH CODING. 522 NO IS THE SPECTRAL RESPONSE OF THE REPRESENTATIVE SAMPLE OF THE SPEECH SIGNAL GENERALLY FLAT AS DETERMINED BY THE COMPARISON? YES 524 APPLY A SECOND FILTER TO INCREASE A SLOPE OF THE SPECTRAL RESPONSE OF THE SPEECH SIGNAL TO APPROACH A MORE SLOPED SPECTRAL RESPONSE THAN THE FLAT SPECTRAL RESPONSE IN PREPARATION FOR PROSPECTIVE SPEECH. CODING. 526 ADJUST ONE OR MORE CODING PARAMETERS OR SELECT PREFERENTIAL CODING PARAMETER VALUES (E.G., A FIRST CODING PARAMETER VALUE AND A SECOND CODING PARAMETER VALUE) CONSISTENT WITH APPLICATION OF THE FIRST FILTER OR THE SECOND FILTER.

FIG. 6





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